

Parameter	Value	Unit
Initial concentration	1.0	g/L
Initial pH	7.0	
Temperature	25	°C
Time	0-120	min
Agitation speed	150	rpm
Batch size	100	mL
Adsorbent dose	0.1-1.0	g/L
Adsorption capacity	0.1-1.0	g/g
Equilibrium time	120	min
Desorption agent	0.1M HCl	
Desorption time	120	min
Regeneration efficiency	95	%
Stability	10	cycles
Cost of adsorbent	0.1	\$/g
Cost of desorption agent	0.1	\$/L
Overall cost	0.1	\$/g
Environmental impact	Low	
Biodegradability	High	
Reusability	High	
Scalability	High	
Regeneration efficiency	95	%
Stability	10	cycles
Cost of adsorbent	0.1	\$/g
Cost of desorption agent	0.1	\$/L
Overall cost	0.1	\$/g
Environmental impact	Low	
Biodegradability	High	
Reusability	High	
Scalability	High	

15